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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/800,008	03/15/2004	Noriya Hayashi	080542-0166	6818	
22428 7590 01/29/2007 FOLEY AND LARDNER LLP			EXAMINER		
SUITE 500			GILLESPIE, BENJAMIN		
3000 K STREET NW WASHINGTON, DC 20007			ART UNIT	PAPER NUMBER	
			1711		
•					
SHORTENED STATUTORY PI	ERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS		01/29/2007	PAF	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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	Application No.	Applicant(s)			
	10/800,008	HAYASHI ET AL.			
Office Action Summary	Examiner	Art Unit			
	Benjamin J. Gillespie	1711			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim iill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. lely filed the mailing date of this communication. O (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 17 Ja	nuary 2007.				
2a) This action is <b>FINAL</b> . 2b) ⊠ This	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) 4-12 and 14-16 is/are pending in the a	application.				
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6) Claim(s) <u>4-8,10-12 and 16</u> is/are rejected.					
7) Claim(s) 9,14 and 15 is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.				
Application Papers					
9) The specification is objected to by the Examiner	•	•			
10) The drawing(s) filed on is/are: a) acce	epted or b)□ objected to by the E	Examiner.			
Applicant may not request that any objection to the o	frawing(s) be held in abeyance. See	37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correcti	, , , , ,				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s)					
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	te			
3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date 10/12/2006.  5) Notice of Informal Patent Application 6) Other:					
	-/				

Application/Control Number: 10/800,008

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## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 4-8, 10-12, and 16 rejected under 35 U.S.C. 102(b) as being anticipated by Hourai et al ('545). Hourai et al teach a fiber reinforced shape memory polyurethane resin and method for production comprising polyisocyanate and polyol (Abstract). In particular, patentees disclose the polyol to consist of polypropylene glycol in an amount up to 85 weight percent, and the reinforcing fibers in an amount up to 40 weight percent (Col 8 lines 6-46, 50-51, col 14 lines 4-5, and 9). Furthermore the polyisocyanate of Hourai et al preferably consists of hexamethylene and isophorone diisocyanate, which are liquid at room temperature, and exist relative to hydroxyl groups by a ratio of 0.9 - 1.1:1 (Col 6 lines 43-45, and col 11 lines 15-16). Hourai et al go on to teach that the final polyurethane can be formed by injecting the resin into a mold followed by heat curing, wherein the composition has a glass transition temperature between 40°C and 130°C (Col 2 lines 20-27, col 6 lines 63-68, and col 17 1-2).

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin J. Gillespie whose telephone number is 571-272-2472. The examiner can normally be reached on 8am-5:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

B. Gillespie

James J. Seidleck
Supervisory Patent Examiner
Technology Center 1700